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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/856,989	09/07/2001	Bernd Hessing	10191/1791	6458

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EXAMINER

ZEWDU, MELESS NMN

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 03/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/856,989

Applicant(s)

ROBERT BOSCH GMBH

Examiner

Meless N Zewdu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 21-45 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 21-25, 36-38 and 40-45 is/are rejected.
- 7) ☒ Claim(s) 26-35 and 39 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09/07/2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>1</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

1. This action is the first on the merit of the instant application.
2. Claims 1-20 have been cancelled.
3. Claims 21-45 are pending in this action.

Information Disclosure Statement

The information disclosure statement (IDS) submitted with the application was partially considered by examiner. Examiner could not find the translated versions of "SMS Based Applications for GSM Networks", by Collesi, et al. and (EP 0 347 354), as indicated on the IDS list. Hence, these two references were not considered by examiner.

Drawings

The drawings are objected to because of lack of proper labeling. For example, is fig. 1, a base station or a mobile station or other? A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

The abstract of the disclosure is objected to because of the extra phrase, "Figure 2", included therein. Correction is required. See MPEP § 608.01(b).

The disclosure is objected to because of the following informalities: on page 1, line 20, it is mentioned that the claims include **independent claim 13**, which is a cancelled claim. Appropriate correction is required.

Claim Rejections - 35 USC § 103

Claims 21-25, 36-38 and 40-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gustafsson (US 6,351,647 B1 in view of Demery et al. (Demery(WO 97/01940)).

As per claim 21: a method for requesting and processing information, comprising: transmitting by a wireless transceiver a first information query over a wireless network, the first information query being transmitted as a short message reads on '647 (see col. 4, lines 1-24).

transmitting information to the wireless transceiver in response to the first information query, the information being received by the wireless transceiver over the wireless network in a form of short messages reads on '647 (see col. 4, lines 1-24). But, Gustafsson does not explicitly teach about the information query transmitted by the

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wireless transceiver and the returned information from the service provider being provided, respectively, with a predefined first and second validity time value, as claimed by applicant. However, in a related field of endeavor, Demery teaches a network interconnection system, including connections between fixed and mobile networks, wherein the transfer of information allows the inclusion of "lifetime information" (see the entire document, particularly, page 1, line 23-page 2, line 28; page 7, lines 25-34). Demery's teaching here is directed to the technique of exchanging time sensitive data/information, for instance traffic information, the use of which is limited by time. Accordingly, when a given information is provided with "lifetime information", it is subjected to expiration and deletion after the time designated to it is over. Furthermore, the "lifetime information", because it includes a requesting time and responding time from a requesting and responding entities, it can respectively be designated as a first and second validity time values (or partial time values) of the entire life time of the information. Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify Gustafsson's "location-dependent services in a mobile communication system" with the teaching of Demery for the advantage of achieving higher overall information transfer efficiency.

As per claim 22: the method, wherein the wireless network is a mobile wireless network reads on '647(see fig. 4; col. 4, lines 1-24).

As per claim 23: a method for requesting and processing information, comprising:

transmitting by a wireless transceiver an information query over a wireless network, the information query being transmitted as a short message reads on '647 (see col. 4, lines 1-24).

and if the information query is transmitted, providing by a service provider information responsive to the information query and transmitting the information to the transceiver over the wireless network in the form of short messages reads on '647 (see col. 4, lines 1-24). But, Gustafsson does not explicitly teach about a wireless transceiver providing an information query with a first predefined validity time value and transmitting the query if the first predefined validity time value has not been exceeded and in response to the query a service provider transmitting the information to the transceiver within a second predefined validity time value, as claimed by applicant. However, in a related field of endeavor, Demery teaches a network interconnection system, including connections between fixed and mobile networks, wherein the transfer of information allows the inclusion of "lifetime information" (see the entire document, particularly, page 1, line 23-page 2, line 28; page 7, lines 25-34). Demery's teaching here is directed to the technique of exchanging time sensitive data/information, for instance traffic information, the use of which is limited by time. Accordingly, when a given information is given a "lifetime", it is subjected to expiration and deletion. Furthermore, the "lifetime information", from a requesting and responding entities can respectively be designated as a first and second validity time values. Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify Gustafsson's

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“location-dependent services in a mobile communication system” with the teaching of Demery for the advantage of achieving higher overall information transfer efficiency.

As per claim 24: a method for requesting and processing information, comprising::

transmitting by a wireless transceiver an information query over a wireless network, the first information query being transmitted as a short message reads on ‘647 (see col. 4, lines 1-24).

and if the information query is transmitted, providing by a service provider information responsive to the information query, and transmitting the information to the transceiver over the wireless network, the information being transmitted as short messages reads on ‘647 (see col. 4, lines 1-24). But Gustafsson does not explicitly teach about providing an information query with a first predefined validity time wherein the wireless transceiver transmits the information if the first predefined validity time has not been exceeded; and in response to the query, a service provider providing the information with a second predefined validity time value wherein the information is transmitted to the transceiver if the second predefined validity time has not been exceeded, as claimed by applicant. However, in a related field of endeavor, Demery teaches a network interconnection system, including connections between fixed and mobile networks, wherein the transfer of information allows the inclusion of “lifetime information” (see the entire document, particularly, page 1, line 23-page 2, line 28; page 7, lines 25-34). Demery’s teaching here is directed to the technique of exchanging time sensitive data/information, for instance traffic information, the use of which is limited by time. Accordingly, when a given information is provided with “lifetime information”, it is

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subjected to expiration and deletion after the time designated to it is over. Furthermore, the "lifetime information", because it includes a requesting time and responding time from a requesting and responding entities, it can respectively be designated as a first and second validity time values (or partial time values) of the entire life time of the information. Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify Gustafsson's "location-dependent services in a mobile communication system" with the teaching of Demery for the advantage of achieving higher overall information transfer efficiency.

As per claim 25: the method, wherein the first information query is generated based on a position of the wireless transceiver reads on '647 (see title; abstract).

As per claim 36: a wireless transceiver operating over a wireless network, comprising:

a transmitter to transmit a first information query as a short message over the wireless network reads on '647 (see col. 4, lines 1-24).

a receiver to receive information responsive to the first information query, the information being received as a short message over the wireless network reads on '647 (see col. 4, lines 1-24). But, Gustafsson does not explicitly teach about a first information query being provided with a first predefined validity time value, as claimed by applicant. However, in a related field of endeavor, Demery teaches a network interconnection system, including connections between fixed and mobile networks, wherein the transfer of information allows the inclusion of "lifetime information" (see the entire document, particularly, page 1, line 23-page 2, line 28; page 7, lines 25-34). Demery's teaching here is directed to the technique of exchanging time sensitive data/information, for

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instance traffic information, the use of which is limited by time. Accordingly, when a given information is given a "lifetime", it is subjected to expiration and deletion.

Furthermore, the "lifetime information", from a requesting entity can be designated as a first validity time value. Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify Gustafsson's "location-dependent services in a mobile communication system" with the teaching of Demery for the advantage of achieving higher overall information transfer efficiency.

As per claim 37: the wireless transceiver, wherein the information includes at least one traffic situation report reads on '647 (see col. 9, lines 20-38).

As per claim 38: the wireless transceiver, further comprising:

an arrangement configured to register a time of the first information query reads on '940 (see page 1, line 28-page 2, line 28; particularly page 7, lines 25-34). The prior art teaches that "upon nearing the maximum of the allowable delay, the priority could be temporarily be raised". So, the period before the delay could be the first time.

and an arrangement configured to generate a message after a first predefined time period after the first information query is transmitted is exceeded reads on '940 (see page 7, lines 25-34). Arranging delay values include the use of a sequence of predetermined time values.

As per claim 40: the wireless transceiver, further comprising:

an arrangement configured to transmit a second information query upon user request reads on '647 (see col. 9, lines 20-65). It is obvious that if the first request signal fails, a second one will be transmitted or retried.

configured to restart the first predefined time period at a time when the second information query is transmitted reads on '647 (see col. col. 9, lines 20-65). It is obvious that if the first request signal fails, a second one will be retried. The feature of claim 40, particularly as it relates to the **predefined period of time**, should be viewed in combination of the references as provided in claim 36.

As per claim 41: the wireless transceiver, further comprising:

a memory to store the at least one traffic situation report reads on 647 (see col. 6, lines 17-36; col. 8, line 26-col. 9, line 65).

As per claim 42: the wireless transceiver, further comprising:

an arrangement configured to determine a position of the wireless transceiver reads on '647 (see title; abstract).

As per claim 43: the wireless transceiver, further comprising:

an arrangement configured to determine a position of the wireless transceiver in a road network reads on reads on '647 (see col. 9, lines 20-38). As long as the traffic report is acquired, the road network is obvious.

As per claim 44: the wireless transceiver, further comprising:

an arrangement configured to generate and transmit the first information query based on a position of the wireless transceiver reads on '647 (see col. 4, lines 1-24).

As per claim 45: the wireless transceiver, further comprising:

an arrangement configured to select a navigation message from the traffic situation report and for making the navigation message available to a navigation unit reads on '940 (see page 4, lines 15-24; page 5, lines 5-8).

Allowable Subject Matter

Claims 26-35 and 39 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

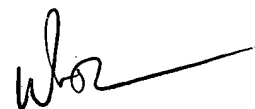
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Meless N Zewdu whose telephone number is (703) 306-5418. The examiner can normally be reached on 8:30 am to 5:00 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (703) 308-5318. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Meless Zewdu
Examiner

M. Z.



WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

18 March 2004.